

Datasheet for ABIN6939508

**Recombinant anti-GFAP antibody**[Go to Product page](#)**4** Images

## Overview

Quantity:	100 µg
Target:	GFAP
Reactivity:	Human, Rat, Mouse, Pig, Cow, Chicken, Rabbit
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This GFAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant full-length human GFAP protein
Clone:	RASTRO-789
Isotype:	IgG1 kappa
Specificity:	This MAb recognizes a protein of ~50 kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.
Purification:	Purified by Protein A/G

## Target Details

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Target: GFAP

Alternative Name: GFAP ([GFAP Products](#))

Molecular Weight: ~50kDa

Gene ID: 2670

UniProt: [P14136](#)

## Application Details

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Application Notes: Positive Control: T98G cells (FACS). Brain lysate (WB). Brain or Astrocytoma (IHC).  
Known Application: Flow Cytometry (1-2 µg/million cells), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

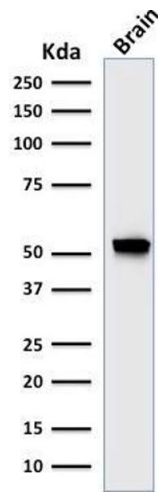
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

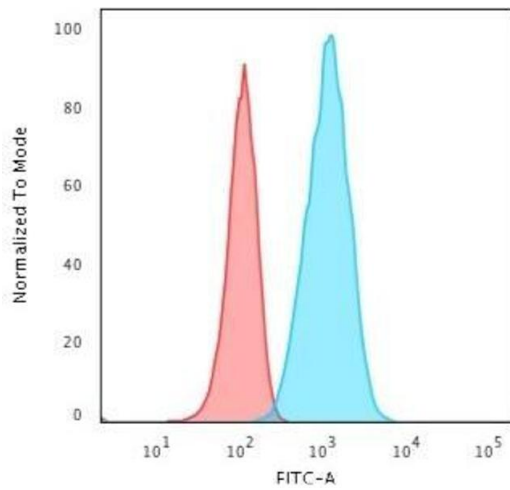
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



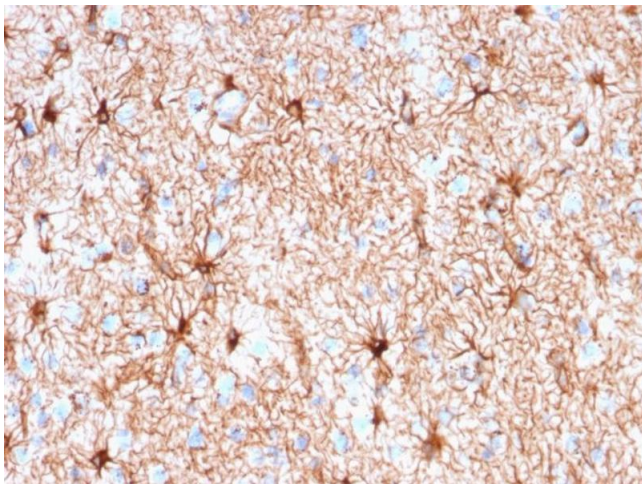
### Western Blotting

**Image 1.** Western Blot Analysis of human brain tissue lysate using GFAP Mouse Recombinant Monoclonal Antibody (rASTRO/789).



### Flow Cytometry

**Image 2.** Flow Cytometric Analysis of T98G cells using GFAP Mouse Recombinant MAb (rASTRO/789) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Mouse Recombinant Monoclonal Antibody (rASTRO/789).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939508.